



Key to species of the leafhopper genus *Membranacea* Qin & Zhang (Hemiptera, Cicadellidae, Typhlocybinae, Empoascini), with a new species from China

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Abstract

A new species *Membranacea distincta* sp. nov. is described and illustrated from China. A key, based on the male genitalia, is given to separate all six species of the genus. The type specimens of the new species are deposited in the Institute of Entomology, Guizhou University, Guiyang, China (GUGC).

Key words: morphology, taxonomy, distribution, China

Introduction

The leafhopper genus *Membranacea* was established by Qin & Zhang (2011) with *Membranacea spinata* Qin & Zhang as the type species. In that paper, three species were included: *M. unijugata* Qin & Zhang, *M. spinata* Qin & Zhang, *M. plana* Qin & Zhang. Yu & Yang (2013) published two new species of this genus from China: *M. hubeiensis* Yu & Yang, *M. stenoprocessa* Yu & Yang. Until now, five species were recognized, all recorded only from China (Guizhou, Hubei, Shaanxi, Sichuan, Hunan). Here a new species, *Membranacea distincta* sp. nov. from Guizhou and Guangxi Provinces of southern China is described and illustrated, a key to all species is given for identification based on the male genitalia of the genus was provided, along with a map showing the distribution of species of the genus.

Material and methods

The methods and terminology follow Zhang (1990) except for the nomenclature of the wing, for which we follow Dworakowska (1993). Male specimens were dissected under a MOTIC B1 SMS-168 SERIES microscope. Figures were made using OLYMPUS CX41 and enhanced using Adobe Illustrator CS4. Pictures were taken with a VHX-100C digital camera and edited with Adobe Illustrator CS4. The body length is measured from the apex of the head to the apex of the forewing, all the examined species are deposited in Institute of Entomology of Guizhou University, Guiyang, P. R. China (GUGC).

Results

Genus *Membranacea* Qin & Zhang

Membranacea Qin & Zhang, 2011, Zootaxa, 2923: 48–58.

Membranacea Yu & Yang, 2013, ZooKeys, 260: 77–83.

For detailed generic diagnosis see Yu & Yang (2013).

Distribution. China (Guizhou, Hubei, Hunan, Shaanxi, Sichuan, Guangxi).

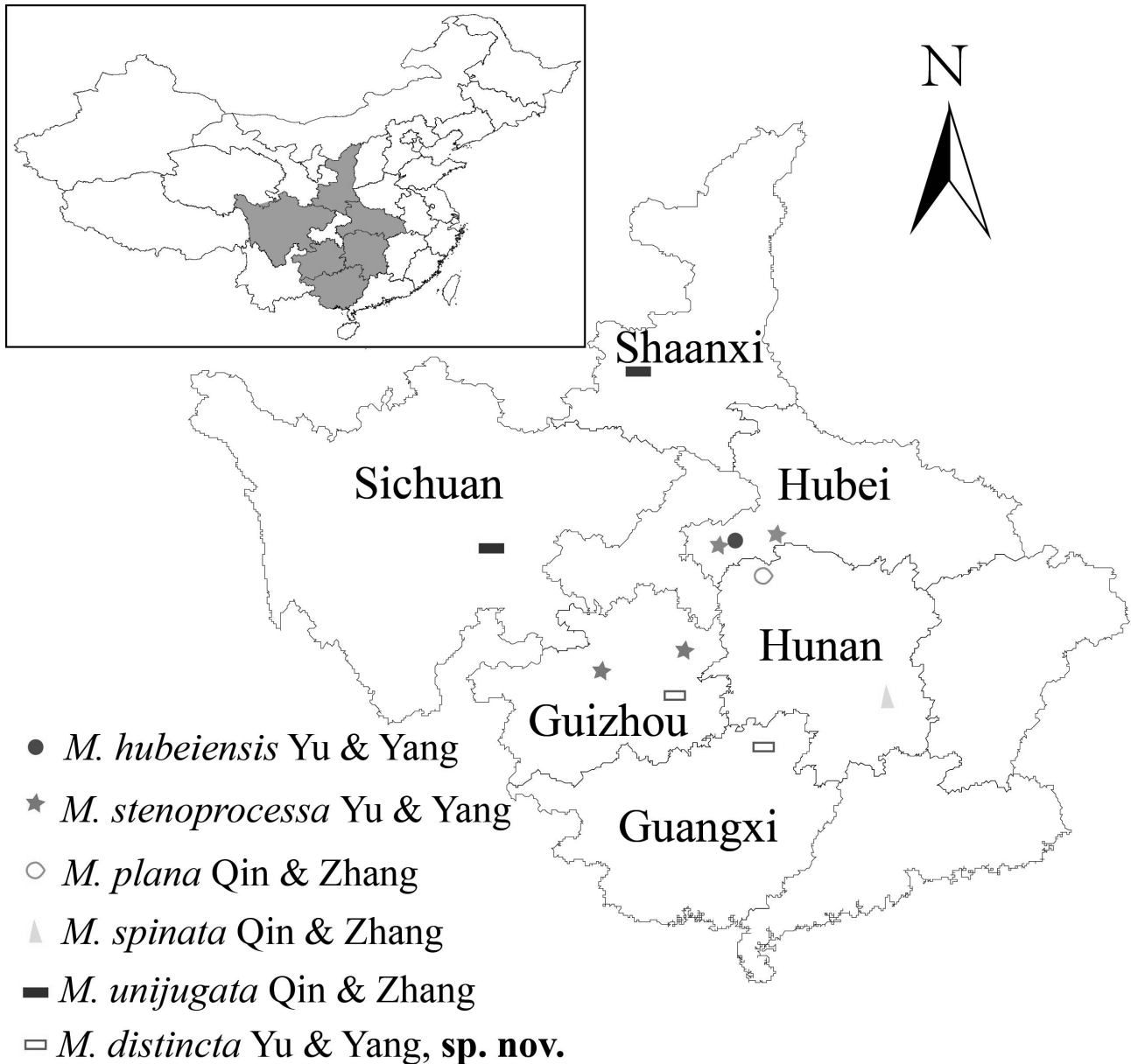


FIGURE 12. Map showing the distribution of all species of genus *Membranacea* Qin & Zhang.

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